

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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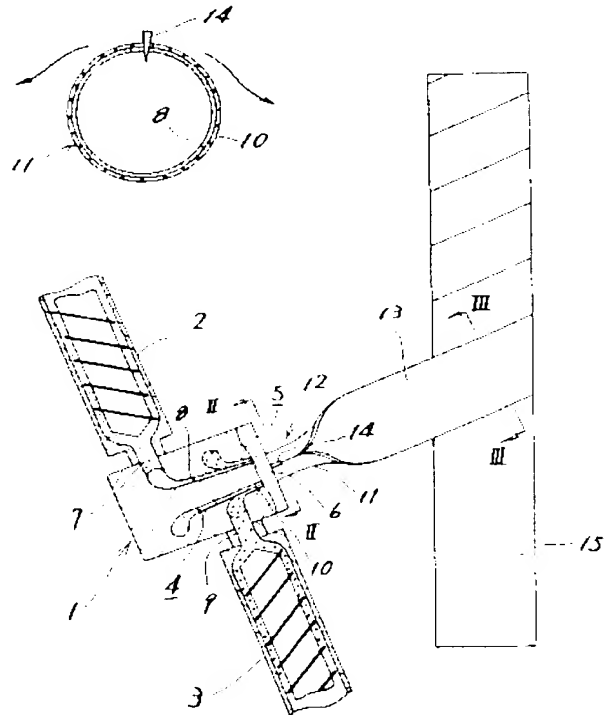
APPLICATION DATE : 16-11-82  
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TITLE : DEVICE FOR COVERING PIPE



ABSTRACT : PURPOSE: To obtain a cylindrical resin that will be formed readily by an opening apparatus into planar sheet having uniform thickness, by providing extruders with a circular die thereby allowing the cylindrical resin to have uniform temperature distribution throughout the circumference.

CONSTITUTION: A double circular die 1 is provided with an annular inner passage 4 in communication with the extruder 2 and an annular outer passage 5 in communication with the extruder 3. The passages 4, 5 meet concentrically at a lip section 6. A covering layer 8 of a resin 7 that is heated and extruded from the extruder 2 via the passage 4 and an adhesive layer 10 of a resin 9 that is heated and extruded from the extruder 3 via the passage 5 are formed into the cylindrical composite layered body 11 with the covering layer 8 inside. The composite layered body 11 is discharged horizontally from the double circular die 1, the top of the composite layered body 11 is cut at the discharging section 12 by a knife 14 to be opened so that it is formed into a belt-shaped sheet 13, and a pipe 15 positioned suitably away from the die 1 is covered with the sheet 13. As the circular die is used, the temperature distribution of the belt-shaped sheet is uniform throughout it and the control of the thickness thereof is easy.

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